	als on the Theory of Rolling, Pt. 6 SOV/4420	
9.	Forward slip in rolling a thick strip (M.I. Boyarshinov, V.V.	
	Mel:tser, 1956)	
h. V.	Pressure of the Work on Rolls	
	Nomogram for determining pressure in cold roiling (O. Emicke,	
	K-Lukas, 1944)	
2.	Verification of Ekalund's formula (E.Mogiljanskiy, 1946)	
3.	Ye.S.Rokotyam's formula for pressure of the work on rolls in cold rolling (1947)	
4.	Calculation of pressure in strip rolling (M.Cock, E.C. Larke, 1947)	
5.	The effect of cold rolling speed on unit pressure (H.Ford, 1947)	
6.	Unit pressure in hot rolling of alloyed steels (N.I. Svede - Shvets,	
	T.G. Pegova, A.A. Protasov, 1948)	
7.	Theory of unit pressure distribution along the contact are and	
	calculation of rolling pressure (D.R. Bland, H.Ford 1948)	
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ā 7/8	(11121 02111)	438

GALLAY

PHASE I BOOK EXPLOITATION

SOV/3481

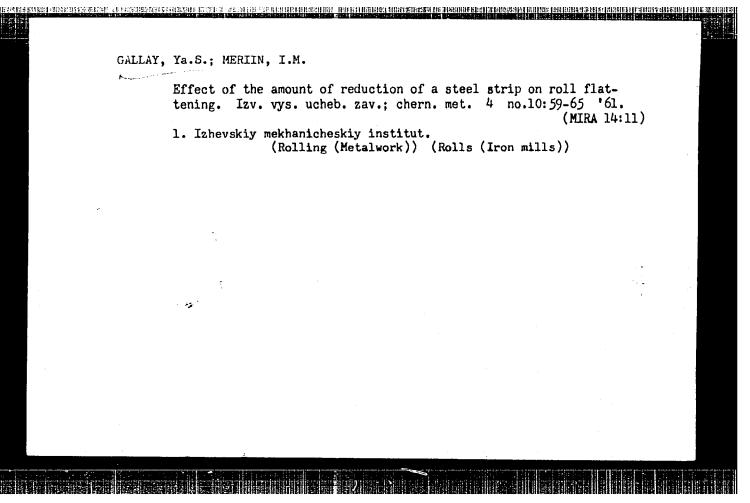
Materialy po teorii prokatki, Ch. 5 (Papers on the Theory of Rolling, Pt. 5) Moscow, Metallurgizdat, 1960. 608 p. Errata slip inserted. 3,150 copies printed.

Compiler: Yakov Samuilovich Gallay, Docent; Ed.: Ig. M. Pavlov, Corresponding Member, Academy of Sciences USER; Ed. of Publishing House: L. M. Gordon; Tech. Ed.: M. K. Attopovich.

PURPOSE: This book is intended for metallurgists, aspirants, and persons writing dissertations, for technical personnel in metallurgical plants, and may also be used by students in metallurgical higher-technical schools and tekhnikums.

COVERAGE: This is the fifth part of a six-part collection of papers covering theory and experimental investigations of rolling. The present volume is divided into three chapters and includes papers published in the Soviet Union and other countries during the period 1946-1956. Papers in the first chapter deal with the effect of friction in rolling, the second chapter is concerned with the process of metal deformation, and the third with metal spread in rolling.

Card 1/16



GALLAY, Ya.S., dotsent; IVONIN, B.A., inzh.; PLINDE, G.Ya., inzh.

Cleaning the surface of metal strip. Stal! 24 no.2:155-156 f '64.

(MIRA 17:9)

1. Severo-Zapadnyy zaochnyy politekhnicheskiy institut i Leningradskiy staleprokatnyy zavod.

ALIMARIN, I.P.; GALLAY, Z.A.; SHEIMA, N.M.; RODIONOVA, T.V.

Ourrent-voltage characteristics of N-bonzoylphenylhydroxylamine solutions. Izv.AN SSSR.Otd.khim.nauk no.3:567-569 Mr '63.

(MIRA 16:4)

1. Moskovskiy gosudarstvennyy universitet im, M.V.Lomonosova.

(Benzohydroxamic acid) (Reduction, Electrolytic)

VINOGRADOVA, Ye.N.; GALLAY, Z.A.; FINOGENOVA, Z.M.; ALIMARIN,
I.P., prof., otv. red.; KOROBTSOVA, N.A., red.; CHISTYAKOVA,
K.S., tekhn. red.

[Methods of polarographic and amperometric analysis] Metody
poliarograficheskogo i amperometricheskogo analiza. Moskva,
Izd-vo Mosk. univ., 1963. 298 p. (MIRA 16:12)

1. Chlen-korrespondent AN SSSR (for Alimarin).

(Polarography) (Conductometric analysis)

GALLAY, Z. A.

261T19

USSR/Chemistry - Nickel

May/Jun 52

"Amperometric Titration of Nickel With Dioximes," V.M. Peshkova and Z.A. Gallay, Moscow State U

Zhur Anal Khim, Vol 7, No 3, pp 152-157

Dimethylglyoxime (I), Na-dimethylglyoxime (II). and dioximecyclohexanedione (III), can be used for the amperometric titration of Ni in the pure salts and in the presence of Fe3, Al3+, Cr3 and Zn2+. In titrating with (I), they recommend sodium acetate as a background. Titration can be conducted at room temp without the removal of 0 from soln. (III) is to be

261T19

preferred to (I) and (II), since it permits the detection of Ni among large quantities of Al, Fe, Cr, and Zn²⁺. The great stability of nickel dioximecyclohexanedione in comparison with nickel-dimethylglyoxime was confirmed amperometrically.

CIA-RDP86-00513R000614120012-4 "APPROVED FOR RELEASE: 07/16/2001

FD-1145

GALLAY C.A. Analytical

Card 1/1

Pub. 129-9/23

Author

: Peshkova, V. M.; Gallay, Z. A.

STATE OF THE PARTY OF THE PARTY

Title

: Amperometric methods for determining titanium

Periodical

: Vest. Mosk. un., Ser. fizikomat. i yest. nauk, 9, No 7, 73-81, Oct 1954

Abstract

: Cupferron was found to be a satisfactory reagent for the amperometric titration of titanium (IV) in pure salts and in the presence of Al, Ni, Zn, and Cr. Redox reactions can be utilized for the amperometric titrations by increasing the stability of the titanium solution. Ferric chloride was found to be the best oxidizing agent for determining tita-

nium in steels. Nineteen references (eleven USSR).

Institution : Chair of Analytical Chemistry

Submitted

: February 18, 1954

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R000614120012-4"

GALLAY, Z. A.

GALLAY, Z. A. — "Determination of Alloying Elements in Steels and Alloys Using the Method of Amperometric Titration." Moscow State U imeni M. V. Lomonosov. Chemistry Faculty. Moscow, 1955. (Dissertation for the Degree of Candidate in Chemical Sciences)

SO: Knizhnaya Letopis', No 1, 1956, pp 102-122, 124

Q- 14 11 4 4 2 1 1.

137-58-2-4412

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 2, p 302 (USSR)

Peshkova, V.M., Gallay, Z.A., Alekseyeva, N.N. AUTHORS:

Amperometric Determination of Molybdenum (Amperometri-TITLE:

cheskoye opredeleniye molibdena)

Khimiya redkikh elementov, Nr 3, 1957, pp 119-130 PERIODICAL:

A rotating Pt electrode and a GINTsVETMET polarograph were used in the amperometric titration of Mo⁶⁺ with a Cr²⁺ ABSTRACT: solution. The Cr^{2+} oxidized at the Pt electrode, at +0.4 v, on a background of HCl and H2SO4; this produced a diffusion current proportional to the concentration. Mo4+ and Mo5+ do not yield a diffusion current in such conditions. On a background of 4N HCl, the sensitivity threshold was 1.5 mg Mo in a 25-cc solution; on a 4N H₂SO₄ background the threshold was 0.5 mg Mo in a 25-cc solution. In the anode region Mn^{2+} , Zn^{2+} , Al^{3+} , Cr^{3+} , and Ni $^{2+}$ did not exhibit a polarographic wave, and the Ti $^{4+}$ was titrated with a Cr $^{3+}$ solution; Mo $^{6+}$, however, was titrated first, because $E_{Mo}^{6+}/Mo^{5+}+0.51$ volts, and $E_{Ti}^{4+}/Ti^{3+}=-0.04$

volts. Mo could be titrated in the presence of Ti4+ up to an Mo/ Card 1/2

137-58-2-4412

Amperometric Determination of Molybdenum

Ti ratio of 1:3; when glacial acetic acid was present, it could be titrated up to a ratio of 1:4. When exalic acid or H_3PO_4 was present, Mo could be titrated in the presence of W up to an Mo/W ratio of 1:15 (within an error of 0.03 mg). In the absence of Mo, W could be titrated with a Cr^{2+} solution on a background of 7N HCl. When Fe^{3+} was present, two titrations were necessary: one at 0 volts to determine the Fe^{3+} , and one at +0.5 volts to determine the sum of $Fe^{3+} + Mo^{6+}$. The most suitable range of Mo/Fe ratios was that from 1:5 to 1:10 (the error being 0.1%). Larger Fe contents were determined by chromatoscopy. Cu had a catalytic effect on Mo^{6+} and Fe^{3+} systems, and in its presence the latter elements could be titrated simultaneously at +0.5 volts. Cu exhibited a similar effect on W^{6+} and Cr^{2+} systems. This method is used to determine the Mo in Fe-Mo and in steels.

1. Molybdenum-Amperometric-Determination

Card 2/2

GALLAY, Z.A	JOURNAL OF ARALYTICAL CHRISTRY JOI XII] In 4, 1957
	USE OF ASCORDIC ACID IN AMPEROMETRIC TITITATION COMMUNICATION I. DETERMINATION OF VANADIUM AND CERUM IN THE PRISENCE OF OTHER SECUMENTS E. A. Gellas V. G. Tipinose and V. Mr. Peaking
	Assorbid sold is oxidized on a rotating platinous electrode, the helf-wave pitential depending on the soldier of the solution and on the concentration of a respect liber equality less RC is true up to the concentration of solutions being 40-7 N. Ascorbic sold solution, stabilized with complexone life and armite sold, may be accessfully applied as a reagent in superconsected titration with the case of oxidation re-
	duction reactions Ascorbic sold may be used for this determination if variation in pure salts and Ascorbic sold may be used for this determination, direction, the presence of nickel, mangeness, and, similation, direction, the presence of nickel, mangeness, and, similation, direction, notyphenomenal temperature. A method has been developed for this determination of certain in pure salts, and top-2.7 differs have been found out for the superconstruction of territorial curious and frivelent from the ascorbic sold.
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!我们是这种自己,他们也<mark>是1766的现在我们的发现的大概则是</mark>,你们的时间的最后我们的时间被我们的时间的时间,我们是不到了一个人们,也不是这种的第三人称形式,我们

Gallay, Z.A., Tiptsova, V.G., and Peshkova, V.M. SOV/55-58-1-28/33 AUTHORS:

The Application of the Ascorbic Acid in the Amperometric Titration. TITLE: Communication 2. Determination of Iodine, Hypochlorites and Iodates

(Primeneniye askorbing kisloty v amperometricheskom titrovanii. Soobshcheniye 2. Opredeleniye yoda, gipokhloritov i yodatov)

PERIODICAL: Vestnik Moskovskogo universiteta, Seriya fiziko-matematicheskikh i yestestvennykh nauk, 1958, Nr 1, pp 209-213 (USSR)

It was asserted that the ascorbic acid can be applied successfully

ABSTRACT: as a reagent mean in the analytic chemistry, e.g. for the

determination of copper and active chlorine in a iodometric manner, or of hypo-chlorites by a direct titration with ascorbic acid. Lead

and silver can be shown by titration of the excess of the

potassium iodate.

There are 5 Soviet references.

ASSOCIATION: Kefedra analiticheskoy khimii (Chair of Analytic Chemistry)

SUBMITTED: September 20, 1956 Zh & Kh

July 11, 1957 VMU

Card 1/1

CIA-RDP86-00513R000614120012-4" **APPROVED FOR RELEASE: 07/16/2001**

SOV/156-58-3-23/52 Gallay, Z. A. UTHOR: Consecutive Amperometrie Determinations of Permanganate and TITLE: Molybdate, Bichromate and Molybdate by Means of Divalent Chromium (Posledovatelhove amperometricheskoye opredeleniye nermanganata i molindata, bikhromata i molibdata dvukhvalentnym khromom) Nauchnyje doklady vyschey shkoly, Khimiya i khimicheskaya PERIODICAL: tekhnologiya, 13.6, Nr 3, rp. 498-501 (USSR) The amperometric determination by the titration of molybdate ABSTRACT: and permanganate, bichromate and molybdate with divalent chromium is described. in the determination of hexavalent molybdenum and heptavalent manganese it turned out that in the oxidation of Cr^{2+} the amount of current is proportional to the concentration. It the end point the current . O. By employing the amperemetric method a simultaneous determination of heptavalent manganese and hexavalent molybdenum is possible without their revious separation. The determination of hexavalent chromium and hexavalent molybdenum by means of the amperometric method using chromium-(II)-salts is carried out at a potential of 0-0,35 V. The results of the ampero-Card 1/2

SOV/ 156-58-3-23/52 Consecutive Amperometric Determinations of Permanganate and Molybdate, Bichromate and Molybdate by Means of Divalent Chromium metric titue for the miliefectory. The deviations for discripamount to will a similar and for molybdenum to 0 + 0,02 mm. The titrations of ecremium-molybdenum mixtures yield more scourate results. There are 4 figures, 3 tables, and 3 refevences, - in this ere moviet. ASSOCIATION: Kafedra alticheskoy khimii Moskvoskogo conducative mogo universiteta im. K. V. Lomonosova (Chair of analytical Chemistry at Moscow State University imeni T. V. Lemenosov) January 20, 1958 SUPMITTED: dard 2/2

GALLAY & H

PHASE I BOOK EXPLOITATION

SOV/5384

- Vinogradova, Yevgeniya Nikolayevna, Zoya Aleksandrovna Gallay, and Zoya Mikhaylovna Finogenova.
- Metody polyarograficheskogo i amperometricheskogo analiza (Methods of Polarographic and Amperometric Analysis) [Moscov 1 Izd-vo Moskovskogo univ., 1960. 279 p. Errata slip inserted. 2,000 copies printed.
- Resp. Ed.: I.P. Alimarin, Corresponding Member, Academy of Sciences, USSR, Professor; Ed.: S.F. Kondrashkova; Tech. Ed.: G.I. Georgiyeva.
- PURPOSE: This textbook is intended for students specializing in analytical chemistry at schools of higher education and for scientific personnel of research institutes and industrial laboratories.

COVERAGE: The book presents the general theoretical principles of

Card 1/14

Methods of Polarographic (Cont.)

SOV/5384

polarography and amperometric titration by means of mercury as well as solid electrodes. Methods of using mercury-drop and solid electrodes are listed and the prospects of polarographic analysis development are discussed. The concluding chapter deals with practical operations. All the problems are accurately and repeatedly checked during the practical training of students and were selected either to illustrate the theoretical course or to familiarize the student with methods of polarographic and amperometric analysis. Chs. I-VI were written by Ye. N. Vinogradova; Chs. VII and VIII by Z. A. Gallay; and Chs. IX and X by Ye. N. Vinogradova, Z. A. Gallay, and Z. M. Finogenova. The authors thank I. P. Alimarin, S. V. Gorbachev, A. I. Eusev, and A. Kh. Bork, Professors, for their help. References accompany each chapter. There are a total of 292 references: 162 Soviet, 68 English, 16 German 30 Czech, 9 French, 3 Swiss, 2 Polish, 1 Italian and 1 other.

Card 2/14

88583

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S/075/61/016/001/012/019 B013/B055

AUTHORS:

Gallay, Z. A. and Kalenchuk, G. Ye.

TITLE:

Amperometric 'Titration of Uranium(VI) in Chromium(II) Salts

PERIODICAL:

Zhurnal analiticheskoy khimii, 1961, Vol. 16, No. 1,

pp. 63-67

TEXT: The present publication describes a procedure for the direct amperometric titration of uranium(VI) in pure chromium(II) salt solutions using a rotating and a vibrating platinum micro-electrode. The measurements were carried out in a B Π -5 (VP-5) "Geopribortsvetmet" direct-reading polarograph. The current was measured by means of a M-21 (M-21) mirror galvanometer with a maximum sensitivity of 2.4·10⁻⁹ a/mm/m. The reduction of uranium(VI) at the platinum electrode was performed under nitrogen using 0.5 N K₂SO₄, an acetate buffer of pH 3.9, as well as 0.5 N (NH₄)₂CO₃ as background. The current-voltage curves (Fig. 1) show that 0.5 N K₂SO₄ is the most suitable background for uranium(VI) reduction. The use of the cathode current of the reduction is very limited since the composition of Card 1/3

Amperometric Titration of Uranium(VI) in Chromium(II) Salts

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the background must remain constant. Uranium(IV) compounds were obtained by reduction of uranyl-sulfate solutions in a cadmium reducer or with CrCl2, the quantity of the latter being such that 60 - 70% of the uranium

was reduced. The current-voltage curves obtained are represented in Fig. 2. Direct proportionality between the diffusion current and the uranium concentration was only observed when the pH 3.9 acetate buffer was used as background. At room temperature uranium(VI) reacts rapidly with chromium(II). The acid concentration has a great influence on the analytical precision. The curves obtained by titration against a background of 1 - 6 N hydrochloric acid had a somewhat unusual shape (Fig. 3, curve 1) but the results were satisfactory (Table 1). The titration curves obtained with sulfuric acid as background had the conventional shape (Fig. 3, curve 2) though the initial amperage was increased. To determine small quantities of uranium (0.6 - 0.3 mg) the titration was carried out in a 1.5-ml volume in a special electrolytic bath using a vibrating small platinum electrode. This method yielded satisfactory results with 2 - 6 N H₂SO₄ (Table 2). Lead does not interfere up to a ratio of U: Pb = 1:50.

Card 2/3

88583

Amperometric Titration of Uranium(VI) in Chromium(II) Salts

S/075/61/016/001/012/019 B013/B055

At higher lead concentrations PbCl₂ and PbSO₄ are precipitated. Zirconium and thorium at concentrations of 1000 times that of uranium do not interfere in its determination either. The results of uranium determinations in the presence of Pb, Zr and Th are listed in Table 3. The mean error of the determination is ±0.3%. In the amperometric determination of uranium(VI) in the presence of iron(III) the latter is reduced by chromium(II) before the uranium(VI) (Fig. 3). The results were satisfactory up to a ratio of U: Fe = 1:50. Up to a ratio of U: Fe = 1:10 both elements could be determined from one titration curve (Fig. 3, curve 3). The results of the titrations are summarized in Table 4. The authors thank I. P. Alimarin for valuable advice. A. I. Busev, K. I. Rozental, and V. I. Veselovskiy are mentioned. There are 3 figures, 4 tables, and 15 references: 7 Soviet, 4 US; 1 Czechoslovakian, 1 British, 1 Dutch, and 1 Swiss.

X

ASSOCIATION: Mo:

Moskovskiy gosudarstvennyy universitet imeni M. V. Lomonosova (Moscow State University imeni M. V. Lomonosov)

SUBMITTED:

October 5, 1959

Card 3/3

29526 s/075/61/015/115/115/115/115 B106/B147

5.5400

AUTHORS:

Gallay, Z. A., and Sheina, N. M.

TTTLE:

Amperometric titration of vanadium and uranium by salt.

trivalent titanium

PERIODICAL: Zhurnal analiticheskoy khimii, v. 16, no. 6, 1961, 706-708

TEXT: The authors were the first to use compounds of trivalent titanium as reagents in amperometric titrations. It had been found earlier that trivalent titanium oxidized on a rotating platinum microelectrode in the potential range 0.4-0.9 v, with the diffusion current being proportional to the titanium concentration (Ref. 4: Peshkova V. M., Gallay Z. A., Vestnik MGU, ser. fiz., mat. i estestv. nauk, no. 10, 73 (1954)). Because of this valuable property and owing to the fact that trivalent titanium is a sufficiently strong reducing agent (E_0 TiV/TiIII = -0.04 v) it can be used for titrimetric determination of hexavalent uranium (E_0 UO $_2^{2+}$ /UIV = +0.407 v), tetravalent and pentavalent vanadium in pure salts and in the presence of tetravalent titanium. The experiments were Card 1/4

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29526 s/075/61/016/006/003/006 B106/B147

Amperometric titration of ...

Card 2/4

made in a visual polarograph with an M-21 (M-21) galvanometer (maximum sensitivity $2.4 \cdot 10^{-9}$ a/mm/m). A rotating platinum microelectrode of 5 mm length was used as indicator electrode, and a saturated calomel electrode as reference electrode. The reagent solution was obtained by adequate dilution of a 15% TiCl3 solution with HCl (1: 1) or 4 N H2SO4; it can be stored for 3 weeks in dark glass vessels. All experiments were made in purified nitrogen atmosphere. The concentration of the reagent solution was ascertained by potentiometric or amperometric titration with a standard solution of potassium bichromate. When 20.5 N sulfuric acid is used as a medium, pentavalent vanadium is quantitatively reduced to trivalent vanadium by trivalent titanium. In a 0.1 M socium tartrate solution (pH 5.9) as a medium, vanadium is only reduced to tetravalent vanadium. Solutions of compounds of trivalent titanium can be used as a medium for the amperometric titration of tetravalent vanadium both in pure salts and in the presence of considerable amounts of Cr(III), Mn(II), and Ti(IV) in 10 N H2SO4 (Table 1). Hexavalent uranium is only slowly reduced by trivalent titanium. Reduction is accelerated by addition of pyrophosphoric acid or low amounts of SnCl2. Ye. R. Nikolayeva and Yu. M.

Amperometric titration of ...

29526 8/075/61/016/006/003/006 B106/B147

Shchekochikhin discovered that addition of pyrophosphoric acid increased the value of $E_{\rm V}({\rm VI})/{\rm U(IV)}$ from 0.4 to 0.6. Furthermore, pyrophosphoric acid forms a complex compound with tetravalent titanium and, thus, lowers the redox potential of the system ${\rm Ti(IV)/Ti(III)}$. Addition of 0.2-0.3 milliliters of 50% ${\rm H_4P_2O_7}$ in 1 N ${\rm H_2SO_4}$ as a medium made it possible to conduct amperometric titration at E = 0.8 v. The error of determination of 3-10 mg of U does not exceed 1.3%. Thus, uranium can be quantitatively determined in the presence of considerable amounts of tetravalent titanium (up to a ratio U : ${\rm Ti}$ = 1 : 100) in 1 N ${\rm H_2SO_4}$ as a medium if the solution to be titrated contains 1 milliliter of 50% pyrophosphoric acid per 10 milliliters of solution. Deflection of the galvanometer is registered 30 seconds after addition of the reagent solution. There are 1 figure, 2 tables, and 7 references: 5 Soviet and 2 non-Soviet. The reference to the English-language publication reads as follows:

Henrixon W. S., J. Am. Chem. Soc., 45, 2013 (1923).

Card 3/4

Amperometric titration of ...

S/075/61/016/006/003/006 B106/B147

ASSOCIATION:

Moskovskiy gosudarstvennyy universitet im. M. V.

Lomonosova (Moscow State University imeni M. V. Lomonosov)

SUBMITTED:

October 8, 1960

Table 1. Determination of vanadium in the presence of foreign elements in X10 N H_2SO_4 as a medium.

Legend: (1) foreign elements, mg; (2) V, mg; (3) taken; (4) found;

-	② V, M3			T	(2) V. Ma		7	
Посторонине элементы, ма	отяка	определено Ч	Ошибка, % (5)		Посторонине элементы	взято	определено	Ошябка, %
Cr ³⁺ 10 -100 Mn ²⁺ 50	0,46 1,39 0,92 0,92 0,68	0,45 1,38 0,91 0,89 0,67	-2,0 -0,7 -1,0 -3,0 -1,4	-100 Ti ^{IV} 60 60 104	0,68 2,00 1,00 1,00	0,63 2,06 1,02 1,04	-7,0 3,0 2,0 4,0	

Card 4/4

GALLAY, Z.A.; ALIMARIN, I. P.; SHEINA, N.M.

批设锋

Voltammetric study of benzohydroxamic acid solutions. Izv. AN SSSR. Ser. khim. no.11:2050-2051 N '63. (MIRA 17:1)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova.

GALLAY, Z.A.; MAR'YANOVSKAYA, T.Ya.

Current-voltage study of divalent vanadium compounds and their use in the amperometric titration of tetravalent vanadium and titanium.

Zhur anal khim. 18 no.8:924-929 Ag '63. (MIRA 16:12) (MIRA 16:12)

1. Moscow State University.

The state of the s

GALLAY, Z.A.; ALIMARIN, I.P.; SHEINA, N.M.

KM RADIO

Use of N-benzoylphenylhydroxylamine for the amperometric titration of titanium, zirconium, gallium, and scandium. Zhur. anal.khim. 18 no.12:1442-1446 D '63. (MIRA 17:4)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

SHE HERE

GALLAY, Z.A.; ALIMARIN, I.P.; SHEDIA, N.M.; MGROZOVA, L.A.

Amperometric titration of titanium and zirconium with a solution of neocupferron. Zhur. anal. khim. 19 no.12:1464-1467 *64.

(MIRA 13:1)

1. M.V. Lomonosov Mescow State University.

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R000614120012-4"

(MIRA 18:11)

GALLAY, Z.A.; SHEINA, N.M.; ALIMARIN, I.P.

Amperemetric determination of gallium in gallium arsenide and phosphide. Zhur. anal. khim. 20 no.10:1093-1096 '65.

1. M.V. Lomonosov Moscow State University.

हर्म संस्थात स्थापन स्थापन

L 14686-66 EWP(e)/EWT(m)/ETC(f)/EWG(m)/T/EMP(t) IJP(c) LANGE CODE: UR/0075/65/020/010/093/1096_

AUTHOR: Gallay, Z. A.; Sheina, N. M.; Alimarin, I. P.

ORG: Moscow State University im. M. V. Lomonosov (Moskovskiy gosudrastvennyy universitet)

TITLE: Amperometric determination of gallium in gallium arsenide and phosphide

SOURCE: Zhurnal analiticheskoy khimii, v. 20, no. 10, 1965, 1093-1096

TOPIC TAGS: gallium arsenide, phosphide, amperometric titration, gallium, arsenic, graphite microelectrode, electrolyte, volt ampere characteristic

ABSTRACT: The applicability of the amperometric method to the determination of GaAs and GaP in samples of minimum possible weight was studied using a rotating graphite microelectrode and the reagent N-benzoylphenylhydroxylamine (N-BPHA) for the amperometric titration of gallium. A preliminary study of the volt-ampere characteristics of N-BPHA on a graphite electrode was made; oxidation waves of N-BPHA were obtained, and the dependence of $E_{1/2}$ on the hydrogen ion concentration was determined. For acid background electrolytes, the diffusion current was found to be proportional to

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2

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concentrations up to 1.10⁻³ M N-BPHA, and the oxidation current of N-BPHA was found to be much more stable on a graphite electrode than on a platinum electrode. Galmetric titration in the presence of arsenic (III), at a graphite electrode potential of 1.1 V. The accuracy of the determination is high up to a Ga/As ratio of 1/1.5. With potassium bromate. In the case of the semiconductor GaP, gallium was determined to tables.

SUB CODE: 07/ SUBM DATE: 270ct64/ ORIG REF: 004/ OTH REF: 000

Card 2/2

L 37829-66

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ACC NR: AP6028489

SOURCE CODE: HU/0018/65/017/006/0596/0600

AUTHOR: Gallyas, Ferenc--Gayash, F.; Merei, F. Tibor

ORG: Neurological and Psychiatric Clinic, Medical University of Pecs (Pecsi Orvostudomanyi Egyetem, Ideg- es Elmeklinika)

TITLE: Procedure for the serial withdrawal of 10-200 microliter volumes of blood samples from small laboratory animals

SOURCE: Kiserletes orvostudomany, v. 17, no. 6, 1965, 596-600

TOPIC TAGS: experiment animal, blood, hematology

ABSTRACT: A procedure is described which can be used for the serial withdrawal of 10-200 µl volumes of blood samples without unnecessary loss or mixing of the blood in order to follow the processes which take place in the blood of small laboratory animals within a few minutes or hours. The mixing between samples is less than 0.5 per cent and the volume difference between individual blood samples is less than 1 per cent. Orig. art. has: 5 figures. [JPRS: 34,161]

SUB CODE: 06 / SUBM DATE: 25Jan65 / OTH REF: 002

Card 1/1 mip

0917 2251

KAPLUN, Fayvel' Shmuylovich; GALLE, Aron Grigor'yevich; MAKAROV, Anatoliy
Matveyevich; MOZDRIN, Ileksand Androyevich; Platov, v.G., insh.,
red.; KHITROV, P.A., tekhn. red.

[Manual on containers and packing for freight] Spravochnik pe tare i
upakovke grusov. Moskva, Vsee; isdatel'sko-poligr. ob-edinente M-va
(Packing for shipment—Standards) (Railroads—Preight)

Moskva, Transzheldorizdat, 1961 (MIRR 15:7)

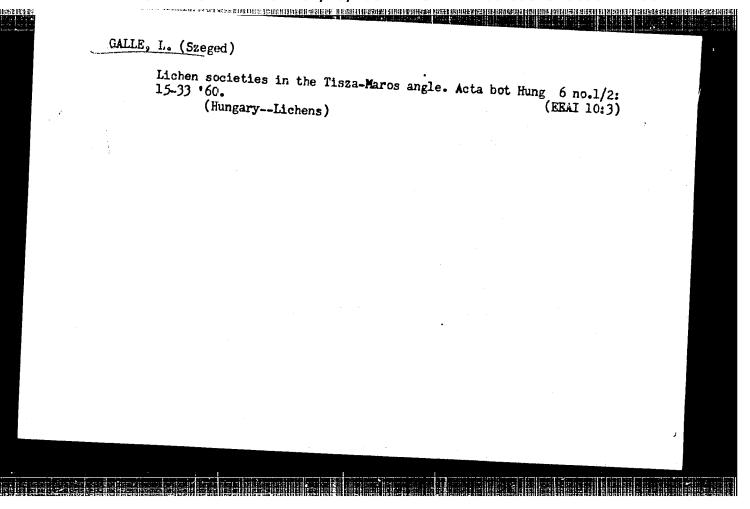
LANGUROV, I.Z., kand. tekhn.nauk; ZAVADSKIY, K.I., inzh.; CALLE.
A.C., inzh., retsenzent; KRICH, B.V., inzh., retsenzent;
PANKOV, A.M., inzh., retsenzent; SHISHLYKOV, Ye.S., inzh.,
red.; USENKO, L.A., tekhn. red.

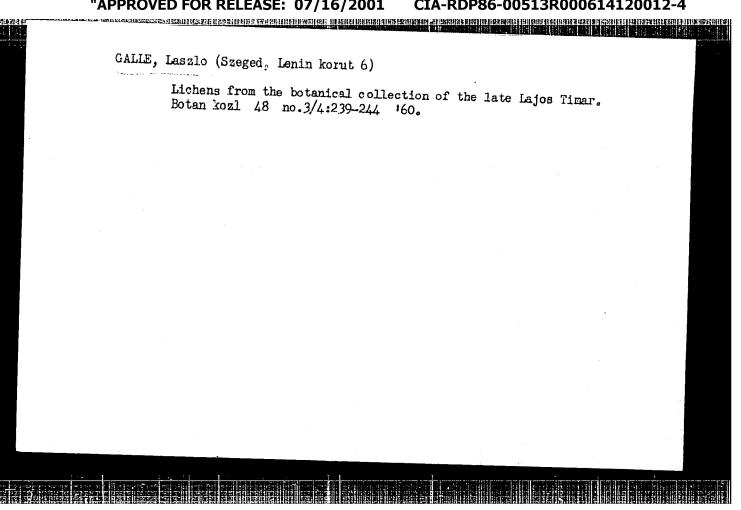
[Organization of the transportation of bulk liquid cargo]
Organizatifa perevozok nalivnykh gruzov. Moskva, Transzheldorizdat, 1963. 269 p.

(Tank cars) (Railroads--Freight)

GALLE, Laszlo (Szeged, Lenin korut 6)

Taxonomy of Physoia biziana (Mass.) A.Zahlbr., a Mediterranean lichen, and its habitat in Hungary. Botan kozl 48 no.1/2:48-51





CIA-RDP86-00513R000614120012-4" **APPROVED FOR RELEASE: 07/16/2001**

GALLE Taszlo (Szeged, Lenin korut 6-8)

Newer data on the lichen flora of Koazthely and its vicinity.

Botan kozl 49 no.1/2:84-94 '61.

GALLE, Laszlo

An account of the work of the Szeged Division of the Hungarian Biological Society, September 1960-April 1961. Biol kozl 10 no.2:167-174 '62.

1. Magyar Biologiai Tarsasag Szegedi Osztalyanak jegyzoje.

GALLE, Leszlo

The work of the Szeged Section of the Hungarian Biological Society. Biol kozl. 10 no.1:73-83 '62.

1. Magyar Biologiai Tarsasag Szegedi Osztalyanak jegyzoje.

GALLE, Laszlo (Szeged, Lenin korut 6.8)

Endocarpetum pusili: a new litchen association on the lossscovered Mount Kopasz near Tokaj. Botan kozl 61 nc.2/3:81-85
Ag 164.

GALE, P. dh.

Vize, V. Yu., and Galle, P. Kh., "delationship between the Variations of the Force of the Northeastern Trade Jind in the Atlantic Ocean and Variations of hydrological and Meteorological Phenomena in Europe (Abstract)," Izvestiya Tsentral 'norgo Edgrometeorologicheskogo byuro(News of the Central Hydrometeorological Eureau) No III, 1924

SO: U-3039, 11 Mar 1953

GALLE, R.R.

Acute leukosis with localization of the hemopoietic focus in the mastoid process. Vest.oto-rin. 18 no.5:104-105 S-0 156. (MIRA 9:11)

1. Iz klinicheskogo otdeleniya (zav. - prof. A.A.Atkarskaya) Hauchnoissledovatel'skogo instituta ukha, gorla i nosa Ministerstva zdravookhraneniya RSFSR (dir. - zasluzhennyy deyatel' nauki prof. V.I. Trutnev)

(LEUKRMIA, compl.
mastoiditis, surg. of mastoid process)
(MASTOIDITIS, etiol. and pathogen.
leukemia, surg. of mastoid process)

KNUMYANTS, I.L., glav. red.; BAKHAROVSKIY, G.Ya., zam. glav. red.;

EUSEV, A.I., red.; VARSHAVSKIY, Ya.M., red.; GEL'PERIN,

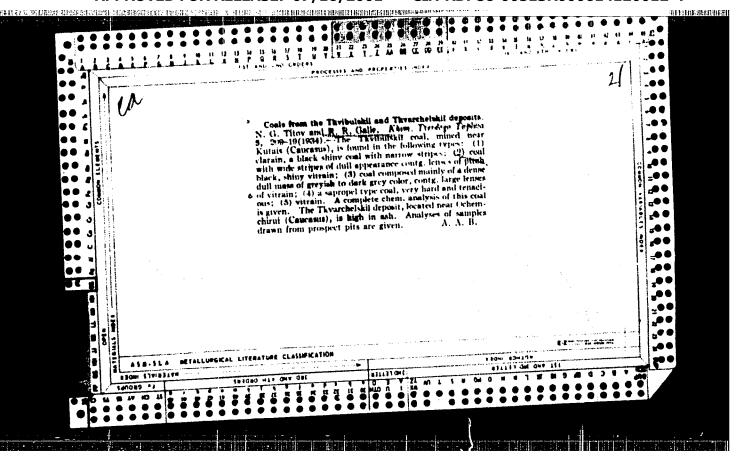
N.I., red.; DOLIN, P.I., red.; KIREYEV, V.A., red.; MEYERSON,
G.A., red.; MURIN, A.N., red; POGODIN, S.A., red.; REBINDER,
P.A., red.; SLONIMSKIY, G.S., red.; STEPANENKO, B.N., red.;

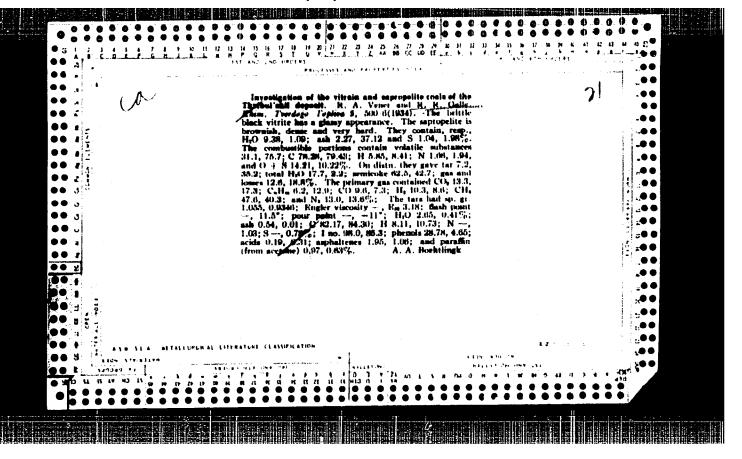
EPSHTEYN, D.A., red.; VASKEVICH, D.N., neuchnyy red.; GALLE,
R.R., nauchnyy red.; GARKOVENKO, R.V., nauchnyy red.; GODIN,

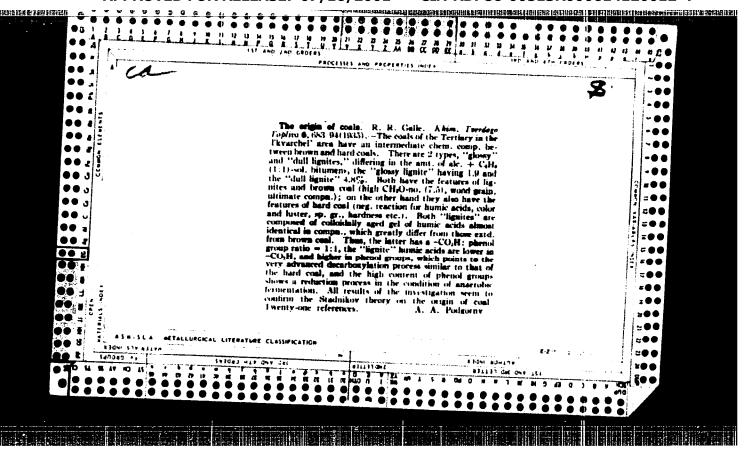
Z.I., nauchnyy red.; MOSTOVENKO, N.P., nauchnyy red.;
LEBEDEVA, V.A., mladshiy red.; TRUKHANOVA, M.Ye., mladshiy
red.; FILIPPOVA, K.V., mladshiy red.; ZHAROVA, Ye.I., red.;
KULIDZHANOVA, I.D., tekhn. red.

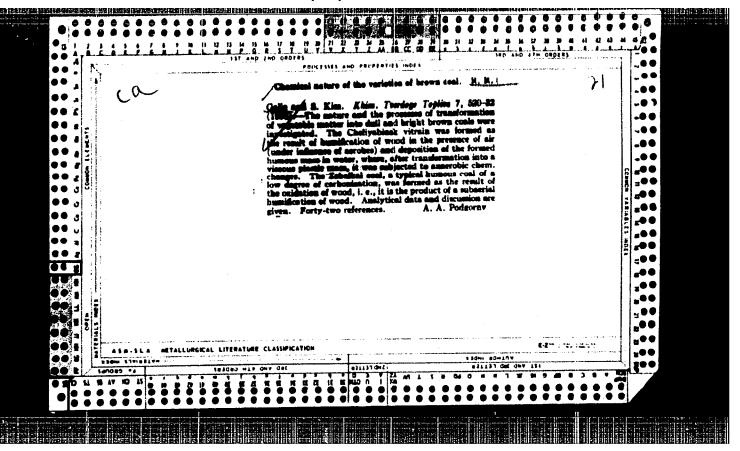
[Concise chemical encyclopedia] Kratkaia khimicheskaia entsiklopediia. Red. koll.: I.L.Knuniants i dr. Moskva, Gos. nauchn.
izd-vo "Sovetskaia entsiklopediia." Vol.1. A - E. 1961.
1262 columns. (MIRA 15:2)

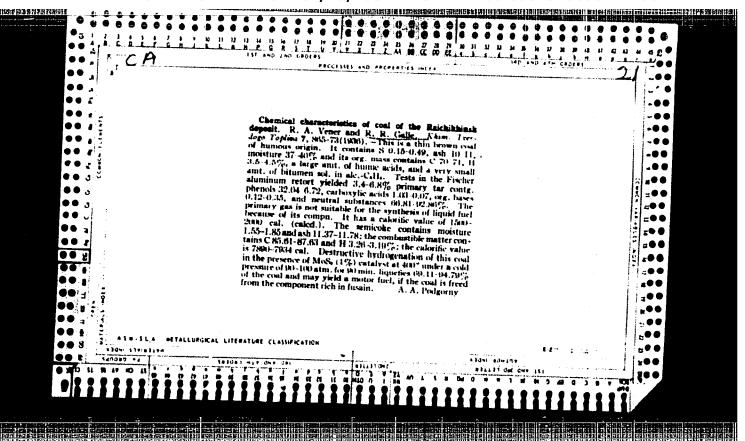
(Chemistry-Dictionaries)

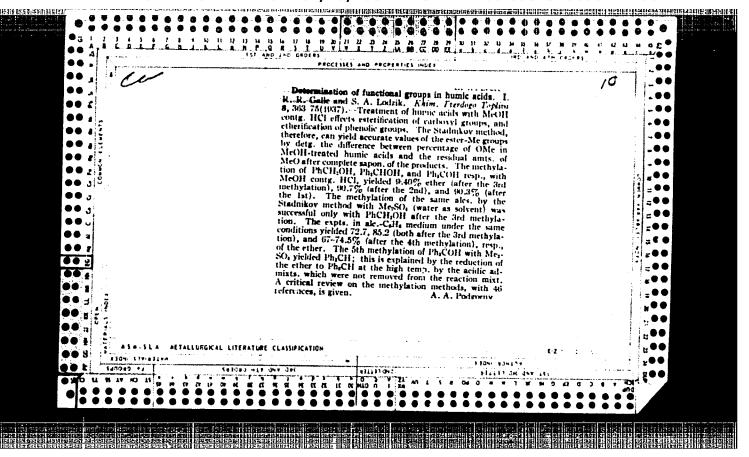


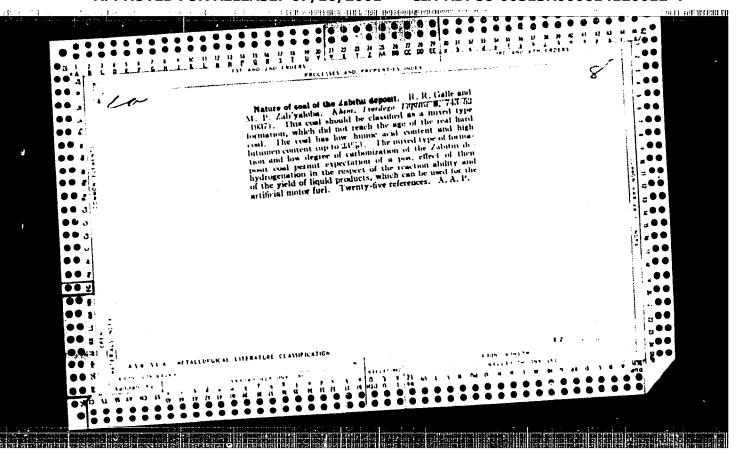


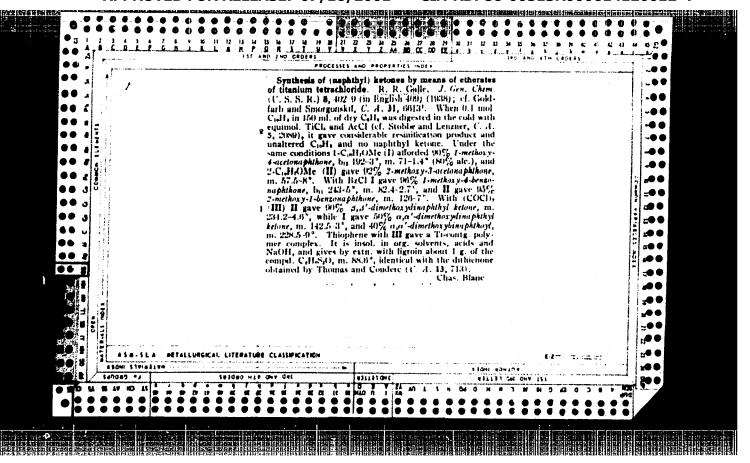


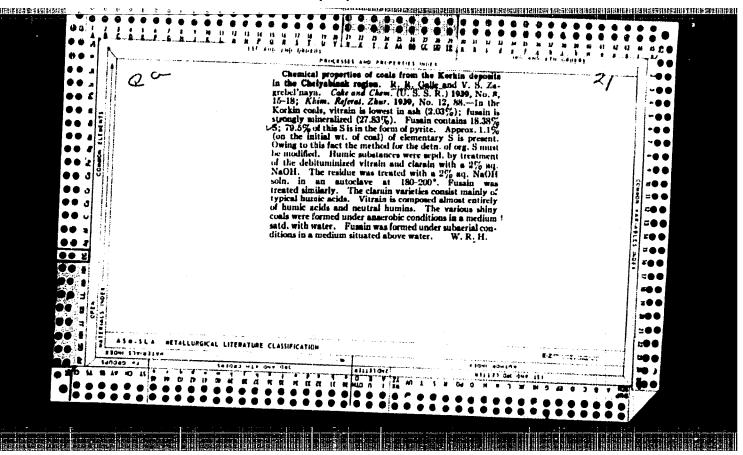


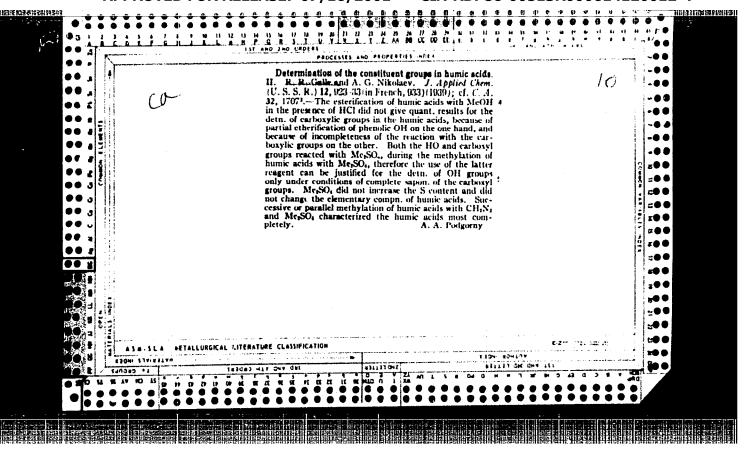


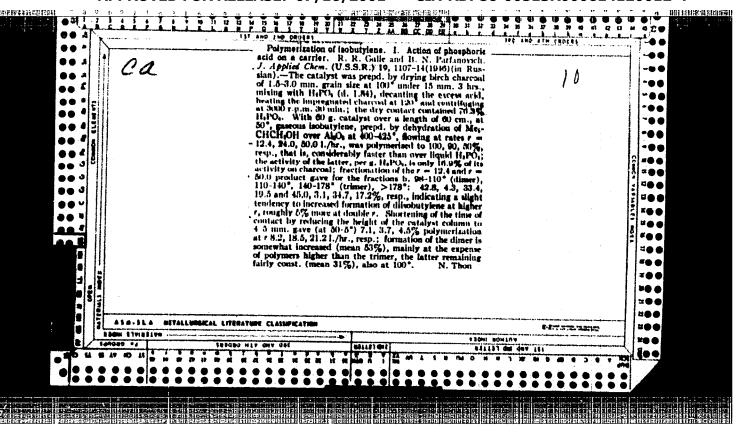


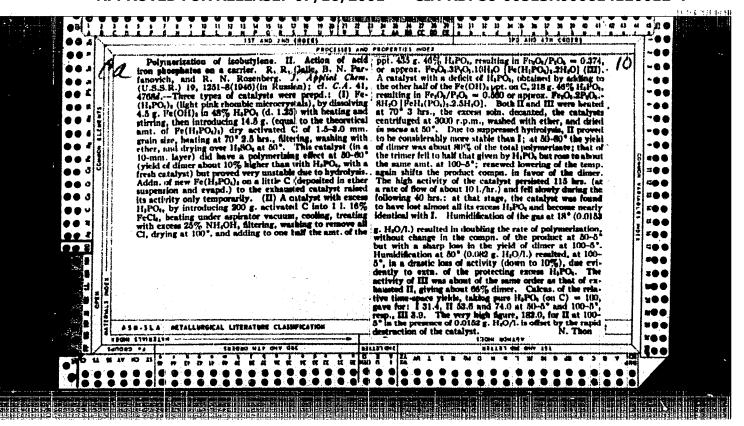












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GALLE, R. R.

Effect of exclusion of the globus pallidus on the vestibular function in man. Vest. otorin. no.4223-29 °62. (MRA 1643)

1. Iz neyrokhirurgicheskogo otdeleniya (nauchnyy rukovodital coktor med.nauk I.M. Irger) klinicheskoy ordena Lenina bol'nitsy imeni S.P. Botkina, Moskva. (FRAIN—SURGERY) (VESTIBULAR APPARATUS)

ACCESSION NR: AR4027234

5/0299/64/000/002/P013/P013

SOURCE: RZh. Biologiya, Abs. 2P74

AUTHOR: Galle, R. R.

TITLE: Disturbance of vestibular function in patients with damage to the striopallidal system and its changes after surgical excision of the globus pallidus

CITED SOURCE: Tr. 1-go Mosk. med. in-ta. v. 24, 1963, 266-284

TOPIC TAGS: vestibular function, vestibular disturbance, striopallidal tract, balance, dizziness, nystagmus, parkinsonism, chemopallidectomy

TRANSLATION: A feeling of dizziness was noted in 20 out of 51 patients with Parkinsonism and in 3 of 20 it was significant. In 19 patients, a mild spontaneous nystagmus was uncovered. During the caloric test (60 ml of water at 25C, rotation in a Barany chair), various changes in vestibular excitability were noted, determined, according to the author, by varying durations of illness and degree of injury to the subcortical ganglia. Chemopallidectomy abolished the spontaneous vestibular systems (dizziness and nystagmus) in a majority of patients. Vestibular excitability was increased in the first 7-10 days after the

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ACCESSION NR: AR4027234

operation, which the author explains as a result of postoperative trauma (increase in intracranial pressure, cerebral edema). In 10 days to one month after the operation, there was an increase in vestibular excitability on the operated side, and a decrease on the opular excitability on the opposite side. In cases in which the operation was not completed, an increase in vestibular excitability on the opposite side was noted, 27 refs.

M. Loffe

DATE ACQ: 14Feb64

SUB CODE: IS

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KNUNYANTS, I.L., glav. red.; BAKHAROVSKIY, R.Ya., zam. glav. red.; VASKEVICH, D.N., nauchn. red.; VONSKIY, Ye.V., nauchn. red.; GALLE, R.R., nauchn. red.; GODIN, Z.I., nauchn. red. MOSTOVENKO, N.P., nauchn. red.; TRUKHANOVA, M.Ye., red.

[(oncise chemical encyclopedia] Kratkaia khimicheskaia en siklopediia. Moskva, Sovetskaia Entsiklopediia. Vol.4. 1965. 1182 columns. (MIRA 18:7)

GALLE, R.R., kand. med. nauk

Otoneurologic symptoms in cervical osteochondres!s, Trudy 1-ge MMI
38:203-210 *65. (MIRA 18:10)

GALLE, T.

Klippel-Feil ayndrome. Magy. radiol. 5 no.4:145-150 Nov 1953. (CLML 25:5)

1. Roentgen Department (Head Physician - Dr. Pal Deak), Peterfy Sandor-utcai Hospital-Clinic (Director -- Dr. Jozsef Lendvai).

MISSURA, Tibor, dr.; Calle, Fibor, dr.

Primary osteoclastoma of the frontal sinus. Magy. radiol. 6

no.3:124-126 July 54.

1. Peterfy Sandor utcai korhaz rendelo (igazgato-foorvos: Lendvai Jossef dr.) Ful-orrgegeszeti osztalyanak (foorvos: Fleischmann (foorvos: Deak Pal, dr.) kozlemenye.

(FRONTAL SINUS, neoplasme giant cell tumor)

(GIANT CHIL TUMORS

frontal sinus)

Abs Jour : Rof Zhur - Biol., No 7, 1958, No 32757

Author : Galle Tibor Inst : Not Given

Title : Velvular Tumor in the Trensverse Colon.

Orig Pub : Magyar radiol., 1957, 9, No 3, 181-182.

Abstract : No abstract

Cord : 1/1

37

TOTH, Jozsef, dr.; HORVATH, Ferenc, dr.; GALLE, Tibor, dr.

Diagnostic difficulties in a case of metastases of prostatic cancer simulating osteoma. Magy. sebeszet 14 no.2:133-135 Ap '61.

1. A Budapesti Orvostudomanyi Egyetem Urologiai klinikajanak (Igazgato: dr. Babics Antal egyet. tanar)! A Budapesti Orvostudomanyi Egyetem Rontgenklinikajanak (Igazgato: dr. Ratkoczy Nandor egyet. tanar), a XX. ker. Szakorvosi Rendelo Intezet (Igazgato: dr. Galcsik Boldizsar) Rontgen Osztalyanak (Foorvos: dr. Galle Tibor) kozlemenye.

(PROSTATE neopl) (OSTEOMA diag)

VOLLENBERGER, A.; GALLE, V.

Stimulating action of ACTH and related polypeptides on the spontaneous rhythmicity of isolated heart muscle cells in vitro. Biul. eksp. biol. i med. 56 no.11:18-23 0 [i.e. N] 163. (MIR 17:11)

l. Iz otdeleniya issledovaniya krovoobrashcheniya (zav. - prof. A. Vollenberger) Germanskoy akademii nauk, Berlin-Bukh, Germanskaya Demokraticheskaya Respublika. Predstavlena deystvitelinym chlenom AMN SSSR V.V. Parinym.

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GALLER, A.

ega iceve

How we fight fungus disease. Chr.truda i sots.strakh. 4 no.12:21 D '61.

J. Doverennyy vrach Kemerovskogo oblastnogo soveta profsoyuzov g. Kiselevsk, Kemerovskoy oblasti. (Mycosis)

(Mining engineering-Hygienic aspects)

GALLER, A. A.; NEKACHALOV, V. Ya., konsul'tant dotsent

Organizing control for decreasing the morbidity from epidermophytosis in the coal mines. Vest. derm. i ven. no.2:64-66 '62. (MIRA 15:2)

1. Doverennyy vrach oblastnogo soveta profsoyuzov (iz dermatolo-gicheskogo dispansera g. Kiselevska)(for Galler).

(DERMATOMYCOSIS) (COAL MINES AND MINING—HYGIENIC ASPECTS)

FILIPPOVA, N.I.; CALLER, A.A.

BF-6 salve caps in funcous diseases of the scalp. Vest.derm.
i ven. 33 no.3:79 My-Je '59. (HIRA 12:9)

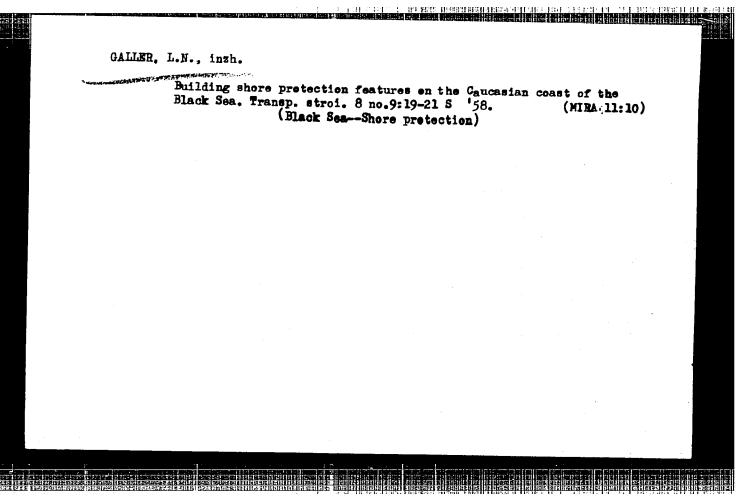
1. Iz Kiselevskogo kozhno-venerologic!:eskogo dispansera
Kemerovskoy ohlasti. (SCALP--DISMASES)

GALLER, I.

Reduction of prime cost in industrial production, important factor for increasing the profitableness and the standard of living of working people. p. 426

INDUSTRIA TEXTILA, Bucuresti, Vol 6, No. 12, Dec., 1955

SO: East European Accessions List (EEAL) Library of Congress, Vol 5, No. 7, July, 1956



DUBEN, Josef; NEURAUER, Miloslav; GALLEROVA, Blanka za technicke spoluprace
A. Novotne.

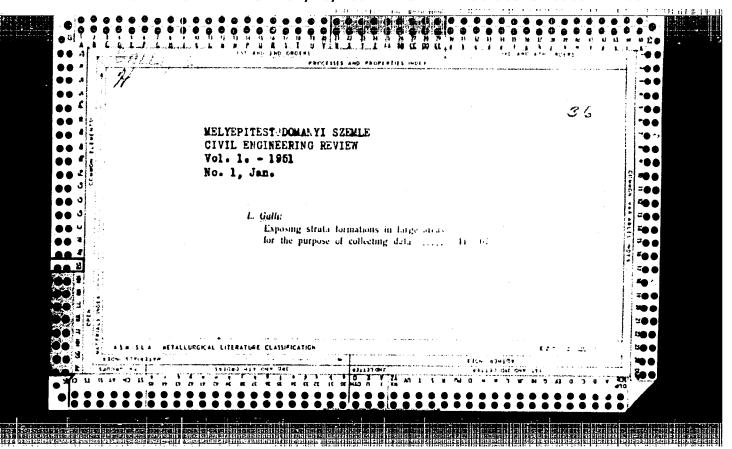
Two cases of herpangina with isolation of a group A Coxsackie virus. Cesk. epidem. mikrob. imum 7 no.4:231-234 July 58.

(HERPANGINA, case reports
isolation of group a Coxsackie virus (Cz))

GALLI, Laszlo

Possibilities of irrigation from wells on the tableland between the Danube and the Tisza Rivers. Hidrologiai kozlony 41 no.28 89-93 Ap '61.

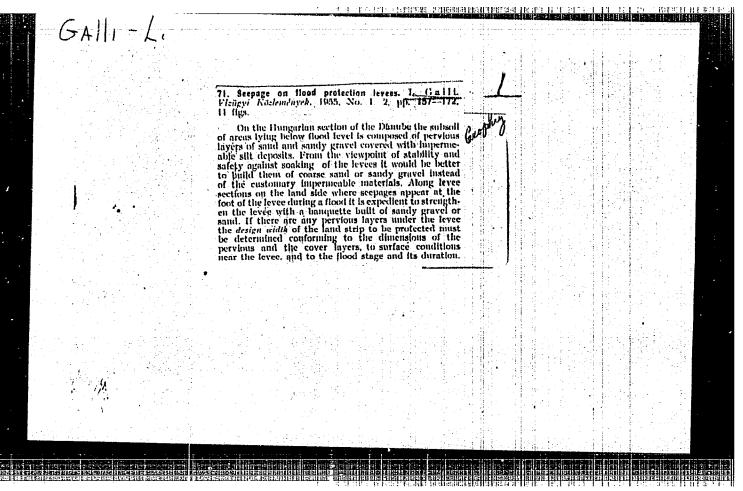
1. "Hidrologiai Koslony" szerkeszto bizottsagi tagja.



GALLI, Laszlo

"Site Selection for Industrial Projects, Considering Specially Soil Conditions and Water Availability."

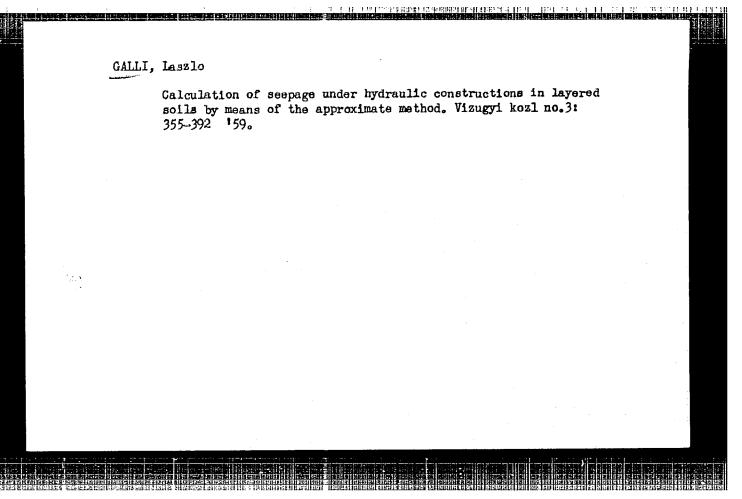
SO: "Civil Engineering Review", Vol. II. No. 7, July 1952, (Hungary).



VARDAY, Gyorgy, dr.; BICZOK, Imre; OCSVAR, Rezso; LANTOS, Zoltan; SZIMELY, Karoly; BERENYI. Akos, dr.; FEHER, Gyula; GALLI, Laszlo; BAKOS, Laszlo; CZICLINA, Vilmos; GABOS, Gyorgy; SZILAGYI, Gyula; RONAI, Andras; KOVACS, Gyorgy; BACHMANN, Alfred; STECMULLER, Jozsef; RETHATI, Laszlo; NAGY, Zoltan.

> Hydrological questions of the construction industry in Hungary. Hidrologiai kozlony 36 no.3:169-170 Je:56.

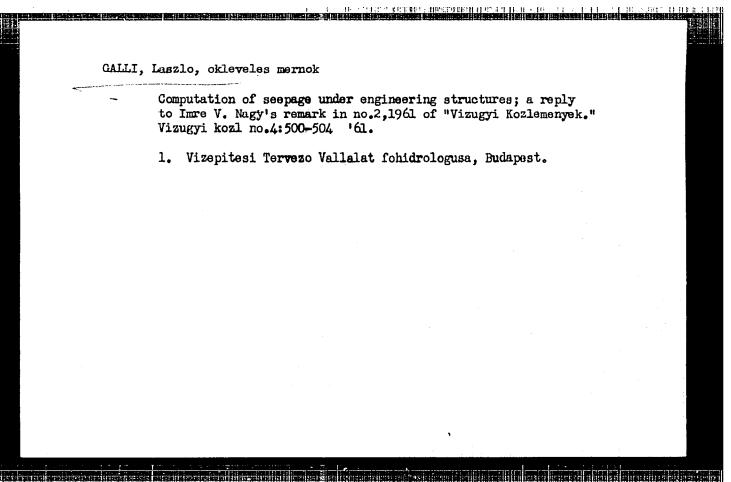
Hidrologiai Kozlony szerkeszto bizottsagi tagja (for Galli).
 Hidrologiai Kozlony felelos szerkesztoje (for Kovacs).



CSAJAGHY, Gabor; BOZSONY, Denes; PICHLER, Janos; KASSAI, Ferenc;
GYORGY, Istvan; SZABO, Pal Zoltan; DEVENY, Istvan; (Szeged);
KIRALY, Lajos (Miskolc); ZIEGLER, Karoly; PAPP, Szilard;
SCHMIDT, Eligius Robert; GALLI, Laszlo; VAJDA, Jozsef;
RONAI, Andras; ILLES, Gyorgu; OLLOS, Geza; FINALY, Lajos;
MOSONYI, Emil; PAPP, Ferenc

Minutes of the December 19, 1958 general meeting arranged by the Hungarian Hydrological Society, Hidrologiai kozlony 39 no.51394 401-404 0 159.

1. "Hidrologiai Kozlony" szerkeszto bizottsagi tagja (for Csajaghy, Gworgy, Szilard Papp, Ferenc Papp, Schmidt and Galli). 2. Orszagos Vizugyi Foigazgatosag (for Ziegler).

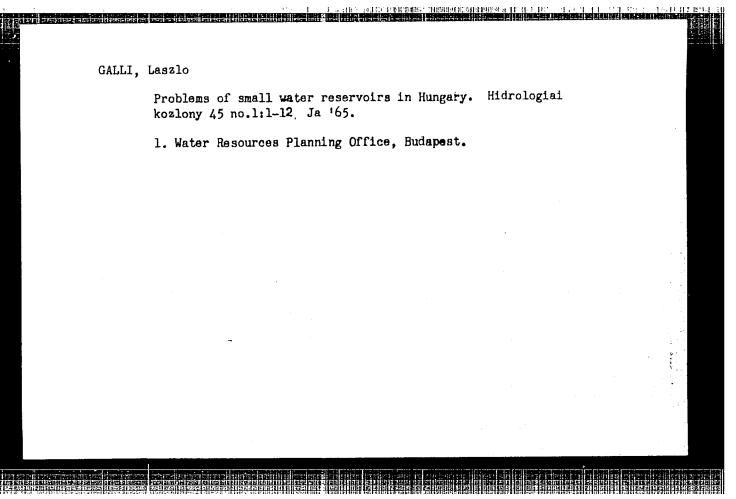


GALLI, Laszlo, dr.

Application of water household investigations in hydrogeology. Hidrologiai kozlony 42 no.2:105-107 Ap '62.

化自制系统 在数据表现存在。中流行的1925年来在新年的中国发展,在1955年,1955年,1955年,1955年,1955年,1955年,1955年,1955年,1955年,1955年,1955年,1955年,1955年

l. Vizugyi Tervezo Iroda, Budapest; "Hidrologiai Kozlony" szerkeszto bizottsagi tagja.



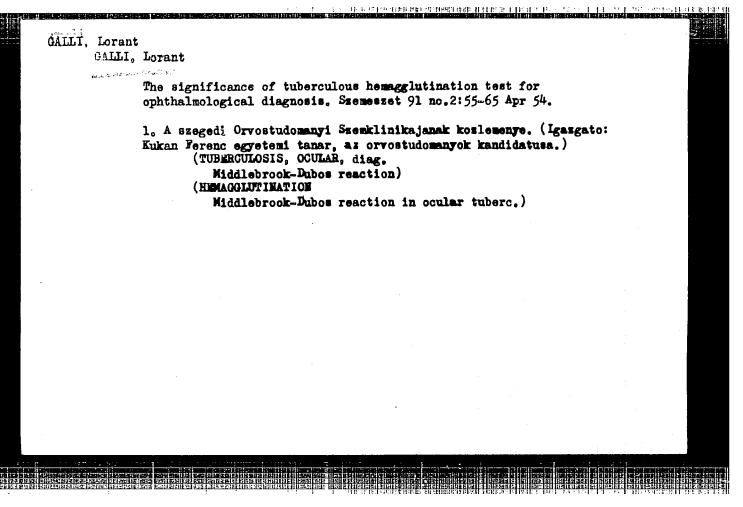
GALLI, Lorant; SZTANOJEVITS, Anna

Malignant juxtapapillary melanoma of the choroid. Szemeszet 99 no.4: 247-251 D '62.

1. A Szegedi Orvostudomanyi Egyetem Szemklinikajanak (Igazgato: Kukan Ferenc egyetemi tamar, as orvostudomanyok kandidatusa) kozlemenye.

(CHOROID NEOPLASMS) (MELANOMA)

GKIDIT,	Lorant Hirudin and Pelentan in the treatment of retinal vein thrombosis.
	Szemeszet 100 no.3:162-169 S 163.
	1. A Szegedi Orvostudomanyi Egyetem Szemklinikajanak (Igazgato:
	Kukan Ferenc egyetemi tanar) kozlemenye. (RETINAL VESSELS) (HIRUDIN) (COUMARINS) (VISION TESTS) (STATISTICS) (THROMBOSIS)
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GALLI, Lorant; NAGY, Marta

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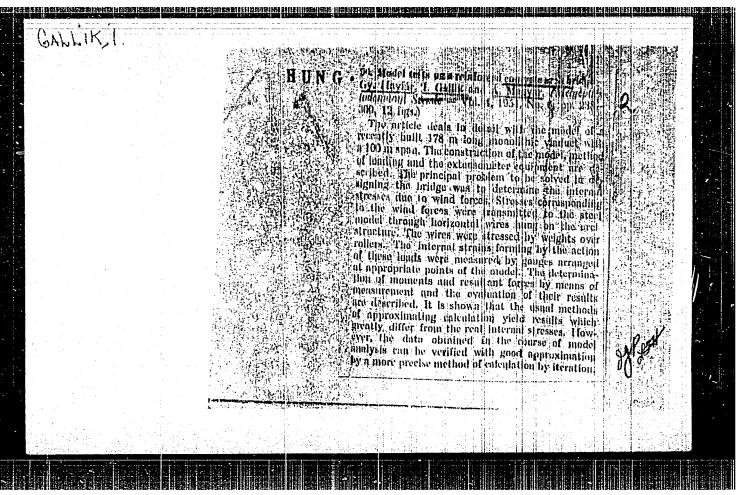
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